ABSTRACT

Glass can have a high thermal expansion coefficient when it is made up of SiO_2, B_2O_3, Na_2O, K_2O, MgO and Al_2O_3; contains a partial crystal; and has a mean thermal expansion coefficient of $125\times10^{-7}K^{-1}$ in a temperature range of 50°C to 150°C. Using this glass as a substrate for a multilayer film filter can fully reduce temperature fluctuations in the filter properties.